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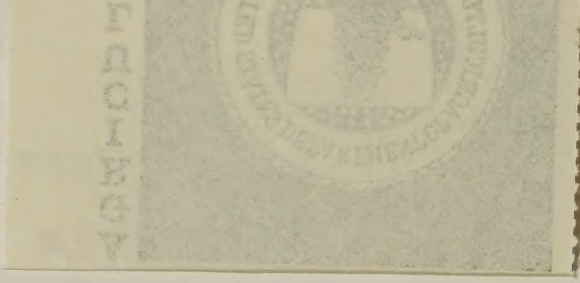
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WINDBREAK AND WILDLIFE PLANTINGS



for
Small
Rural
Acreages
and
Homesites

United States
Department of Agriculture
Soil Conservation Service
Huron, South Dakota



WHAT ARE TREES FOR?

Trees
are
for boys
to climb.
For cats to
get caught
up in--for little
girls to cry about.
Trees are to
catch kites. For
hunters to hide behind
and squirrels to
hide in. A place for birds
to build a home.
Trees are for people to look
at. To hang a swing in.
To pitch a tent under.
Trees make an open field a park.
They beautify a street.
They make a house a home. Trees
slow down the wind, settle the dust, and
soften sound. Trees are for picnics and for
poets to write about. Trees buffer the
raindrops. They stop erosion. They hold snow.
What are
trees for?
Trees are
for
everyone.

WINDBREAK AND WILDLIFE

PLANTINGS FOR SMALL RURAL ACREAGES AND HOMESITES

Small rural acreages and homesites need protection from high winds, blowing dust and blowing snow. Plantings of trees and shrubs can be effective for providing needed protection. They also can be valuable for wildlife, fuel conservation, and beautification purposes. These values should not be overlooked when considering such plantings.



plantings keep snowdrifts
out of yards and driveways

Properly designed
which

provide for an attractive,
carefree landscape.

There are many problems associated with the design of plantings on small acreages and homesites which are not commonly encountered on the larger farm and ranch ownerships. Some of the common problems and ways to overcome them are:

SMALL LOTS

The lots or acreages are too small for an adequate planting on the north and west sides. - A minimum lot size of 350'-400' x 350'-500' is highly desirable. Lots smaller than this make it very difficult to minimize snow distribution problems. These items should be discussed with rural land developers before the land is subdivided. Sometimes county planning commissions can be of assistance in setting minimum lot sizes.

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HOUSE LOCATION ON LOT

JUL 9 1979

The home is built before consideration is given for the location of plantings. - The location of the plantings should be determined before the homesite is selected or serious problems can occur. Again the major problem relates to the distribution of snow. If a house is improperly located on a lot, adequate protection can often be provided by a combination of vegetative and artificial (snowfence, board fence, etc.) windbreaks.

CATALOGING - PREP.

MULTIPLE ADJACENT OWNERSHIPS

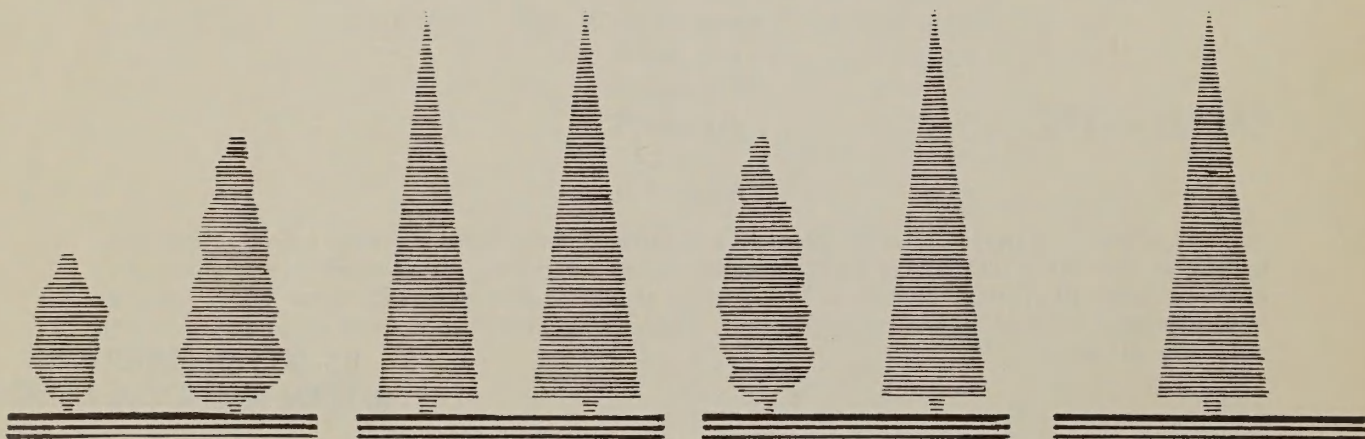
In areas where small ownerships lie adjacent to one another, most landowners make plantings which reflect their taste and take care of their problems. - This often causes serious problems for their neighbors. Primary plantings for areas with multiple ownerships should be a joint effort of the landowners. Individual preference of the species of trees and shrubs can be worked into the design of plantings but the plantings should be continuous.

Note: Since many landowners plant apple trees, the planting of eastern redcedar and Rocky Mountain juniper is not recommended. These species are the alternate hosts for the cedar apple rust disease. The disease is not serious on the junipers but can cause serious problems on the apples.

UTILITY LINES, ETC.

Problems of various types can occur when plantings are made over or near sewer lines and septic tanks or over or beneath utility lines. - These problems can usually be overcome by tailoring the species composition, the design of the planting, or the location of the planting to eliminate potential problems.

The illustrations on the following pages present some ideas on how to design tree and shrub plantings to maximize wildlife, protection and beautification benefits and to minimize snow distribution problems. They can also be useful for developing landscape designs for multiple ownerships. Homesite developers can sometimes establish basic tree and shrub plantings for such ownerships in an integrated windbreak pattern.



The species of trees and shrubs which can be grown will depend upon the soils at the planting site. Additional information on species selection, soils and the layout and design of plantings can be obtained from the local Soil Conservation Service office, assisting your Conservation District.

LIST OF ILLUSTRATIONS

FIGURE	TITLE
1	PLANTINGS FOR SMALL ACREAGES
2	SINGLE OWNERSHIP PLANTINGS — SMALL LOTS WEST AND EAST SIDES OF ROADS AND HIGHWAYS
3	SINGLE OWNERSHIP PLANTINGS — SMALL LOTS NORTH AND SOUTH OF ROADS AND HIGHWAYS
4	MULTIPLE OWNERSHIP PLANTINGS — SMALL LOTS SOUTH SIDE OF ROADS AND HIGHWAYS
5	MULTIPLE OWNERSHIP PLANTINGS — SMALL LOTS NORTH SIDE OF ROADS AND HIGHWAYS
6	MULTIPLE OWNERSHIP PLANTINGS — SMALL LOTS NORTH AND SOUTH SIDES OF ROADS AND HIGHWAYS
7	MULTIPLE OWNERSHIP PLANTINGS — SMALL LOTS EAST SIDE OF ROADS AND HIGHWAYS
8	MULTIPLE OWNERSHIP PLANTINGS — SMALL LOTS WEST SIDE OF ROADS AND HIGHWAYS
9	MULTIPLE OWNERSHIP PLANTINGS — SMALL LOTS EAST AND WEST SIDES OF ROADS AND HIGHWAYS
10	SCREEN PLANTINGS FOR SMALL RURAL HOMESITES

PLANTINGS FOR SMALL ACREAGES

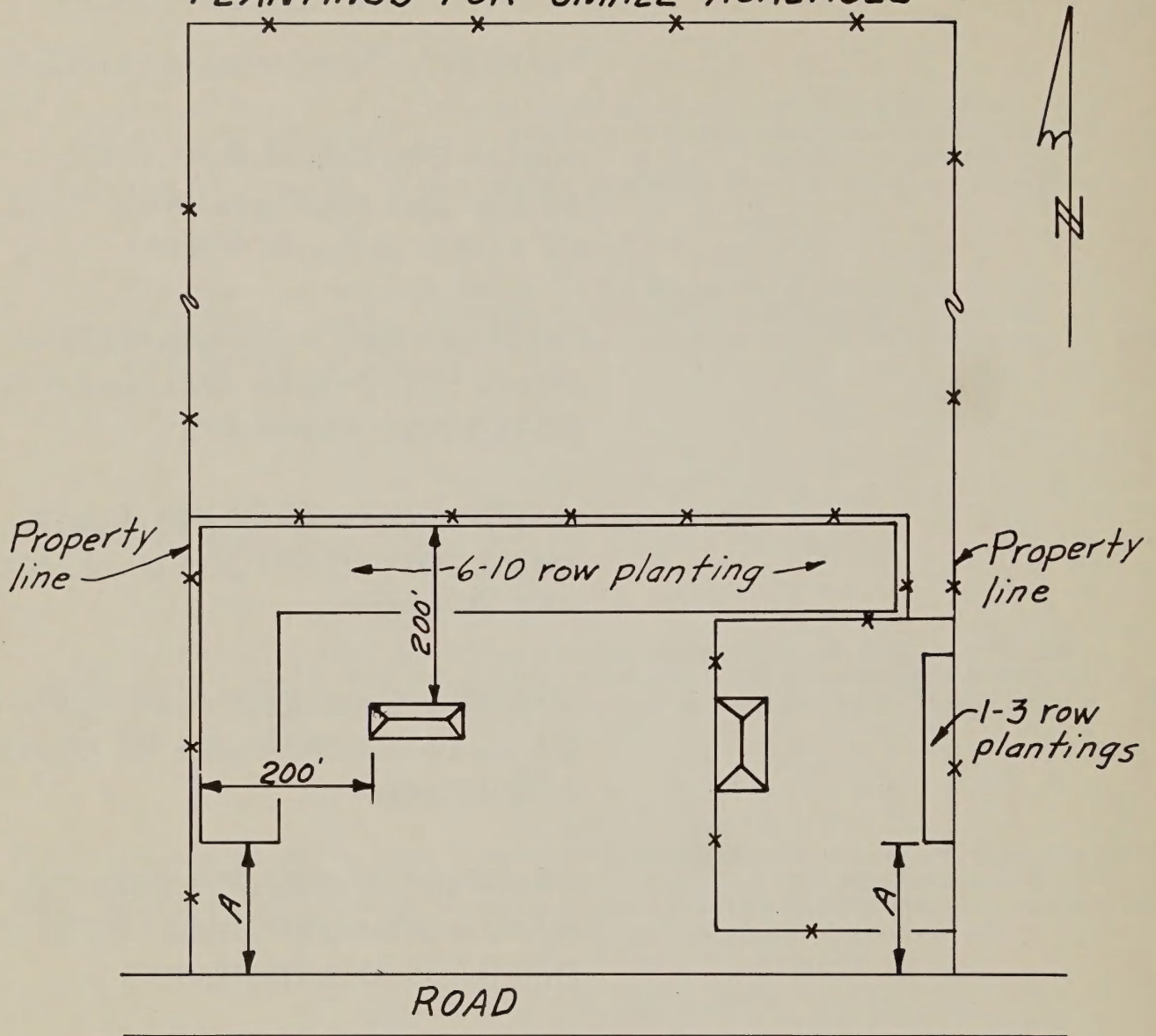


Figure 1

Note: To determine distance "A", review local city, county or state zoning restrictions.

SINGLE OWNERSHIP PLANTINGS - SMALL LOTS WEST AND EAST SIDES OF ROADS AND HIGHWAYS

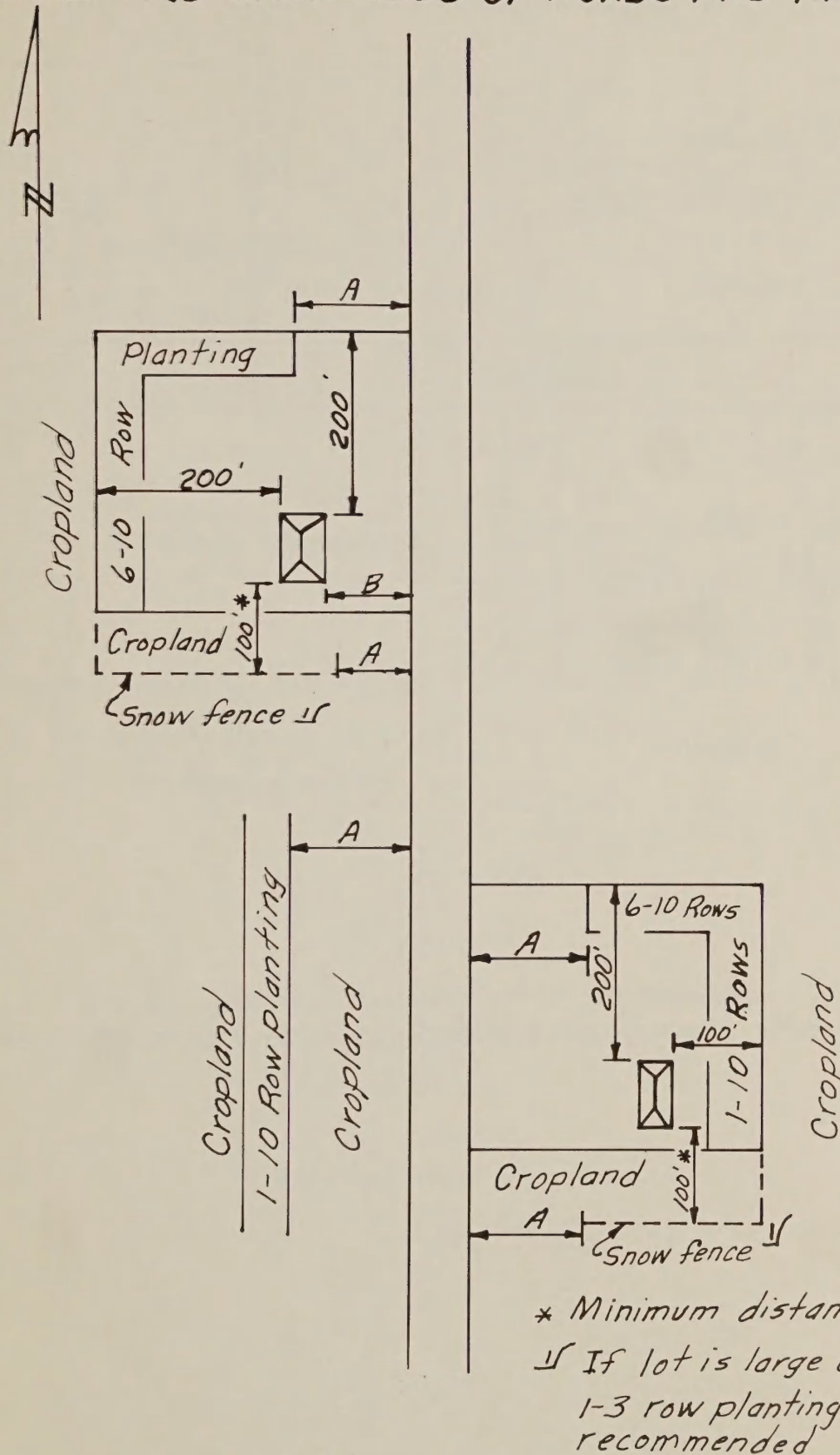


Figure 2

Note: To determine distances "A" and "B" review local city, county or state zoning restrictions.

SINGLE OWNERSHIP PLANTINGS - SMALL LOTS NORTH AND SOUTH SIDES OF ROADS AND HIGHWAYS

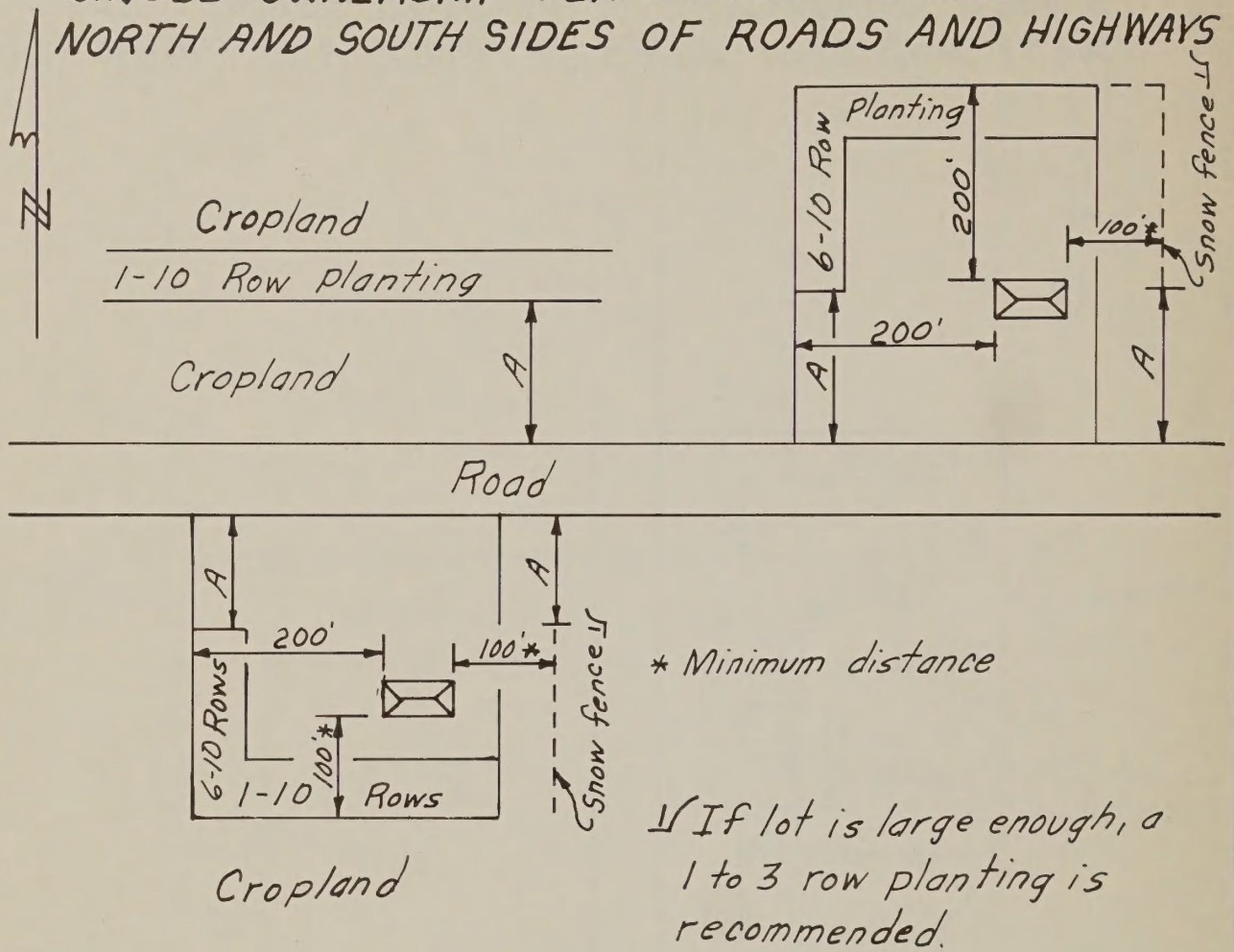


Figure 3

Note: To determine distance "A" review local city, county and state zoning restrictions.

MULTIPLE OWNERSHIP PLANTINGS - SMALL LOTS SOUTH SIDE OF ROADS AND HIGHWAYS

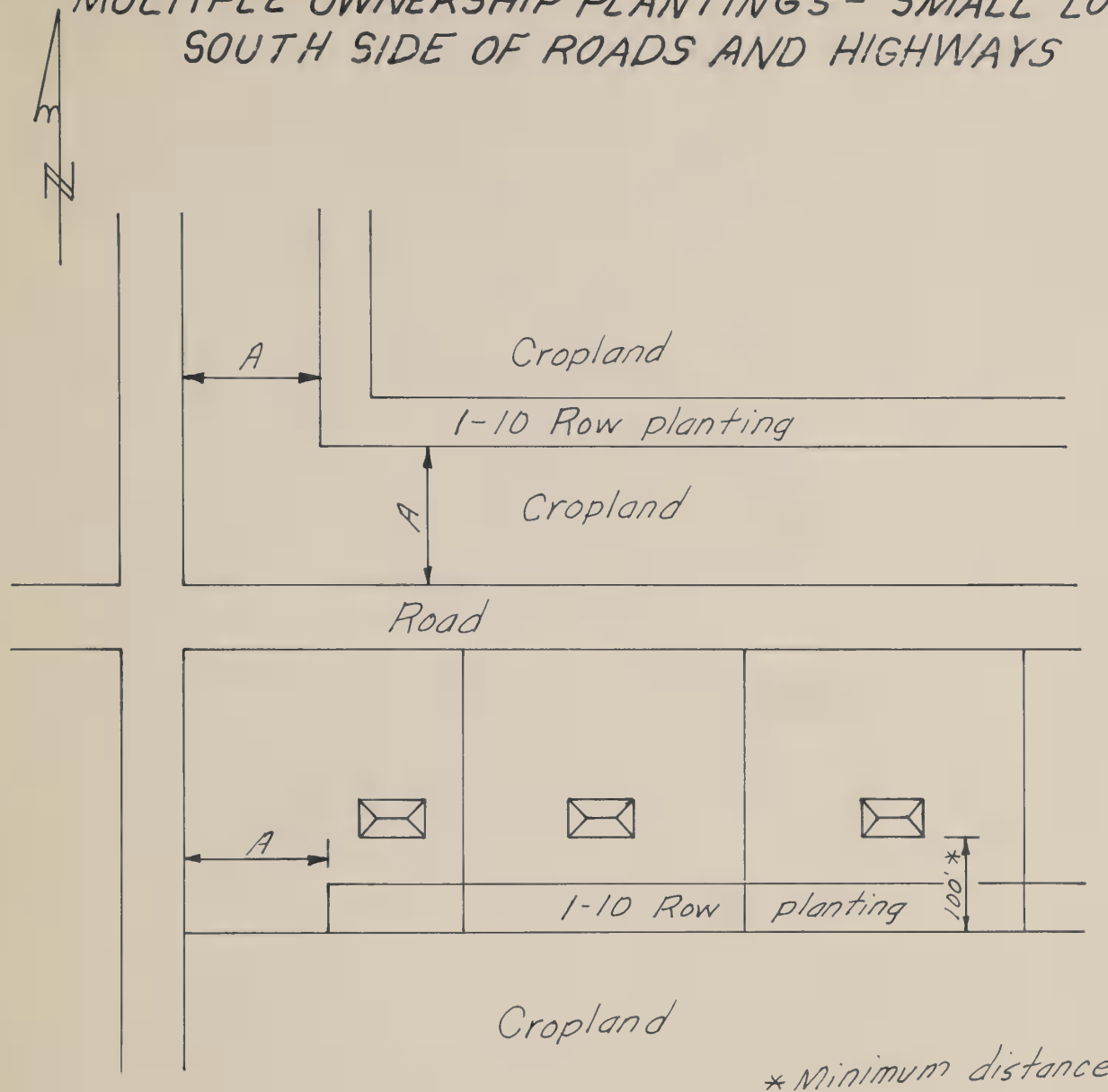


Figure 4

Note: To determine distance "A" review local city, county or state zoning restrictions.

MULTIPLE OWNERSHIP PLANTINGS - SMALL LOTS NORTH SIDE OF ROADS AND HIGHWAYS

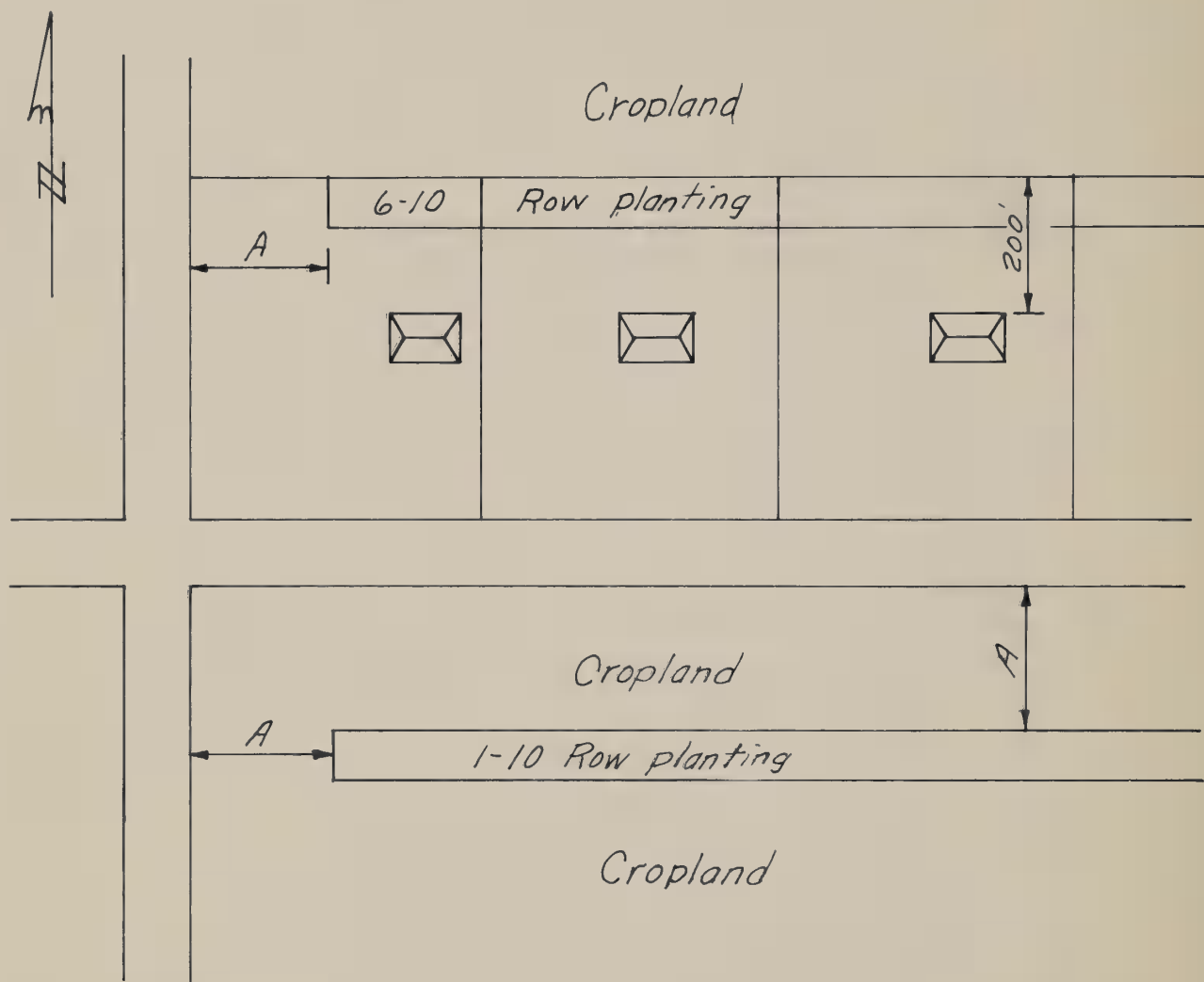
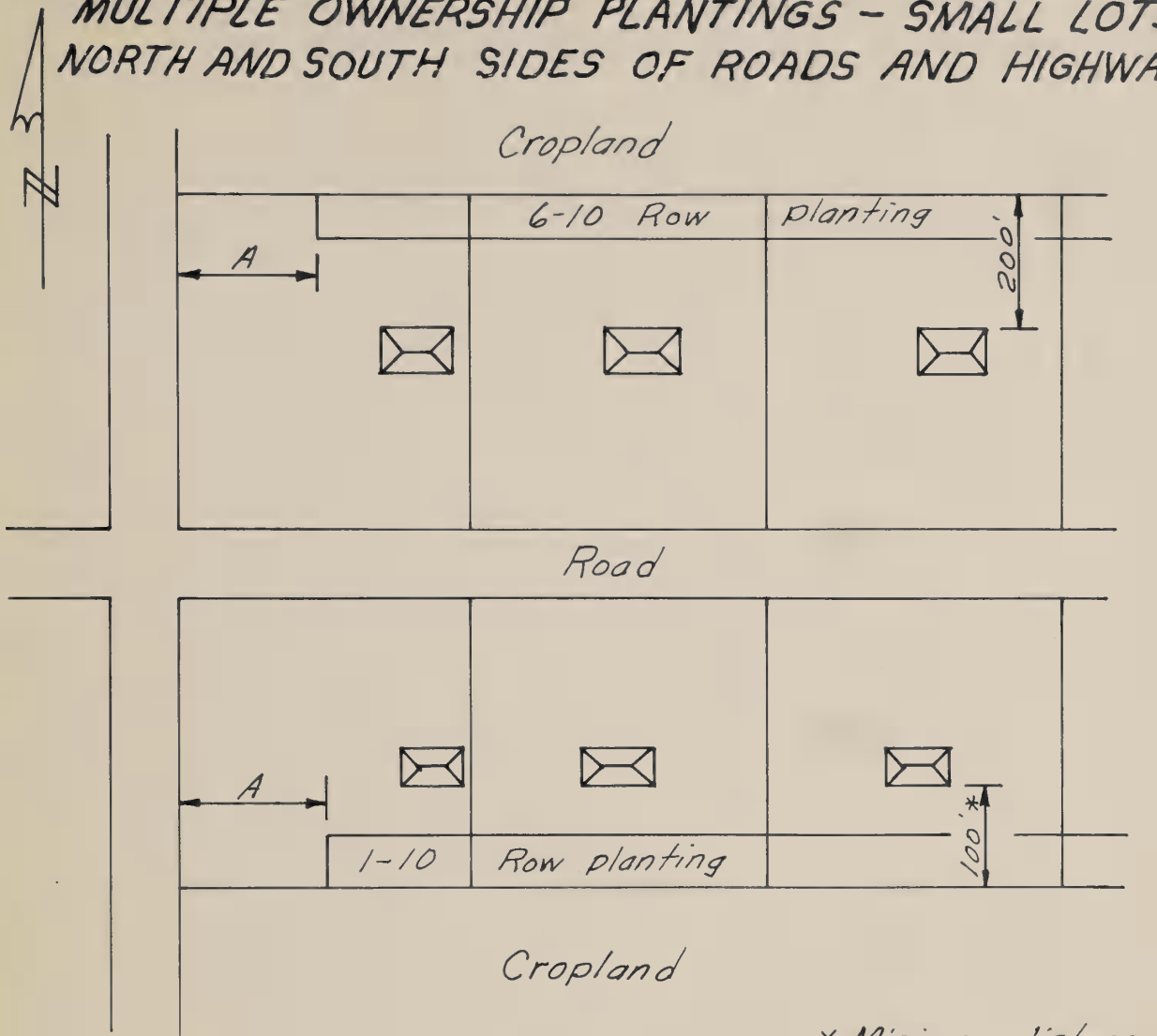


Figure 5

Note: To determine distance "A" review local city, county or state zoning restrictions.

MULTIPLE OWNERSHIP PLANTINGS - SMALL LOTS NORTH AND SOUTH SIDES OF ROADS AND HIGHWAYS

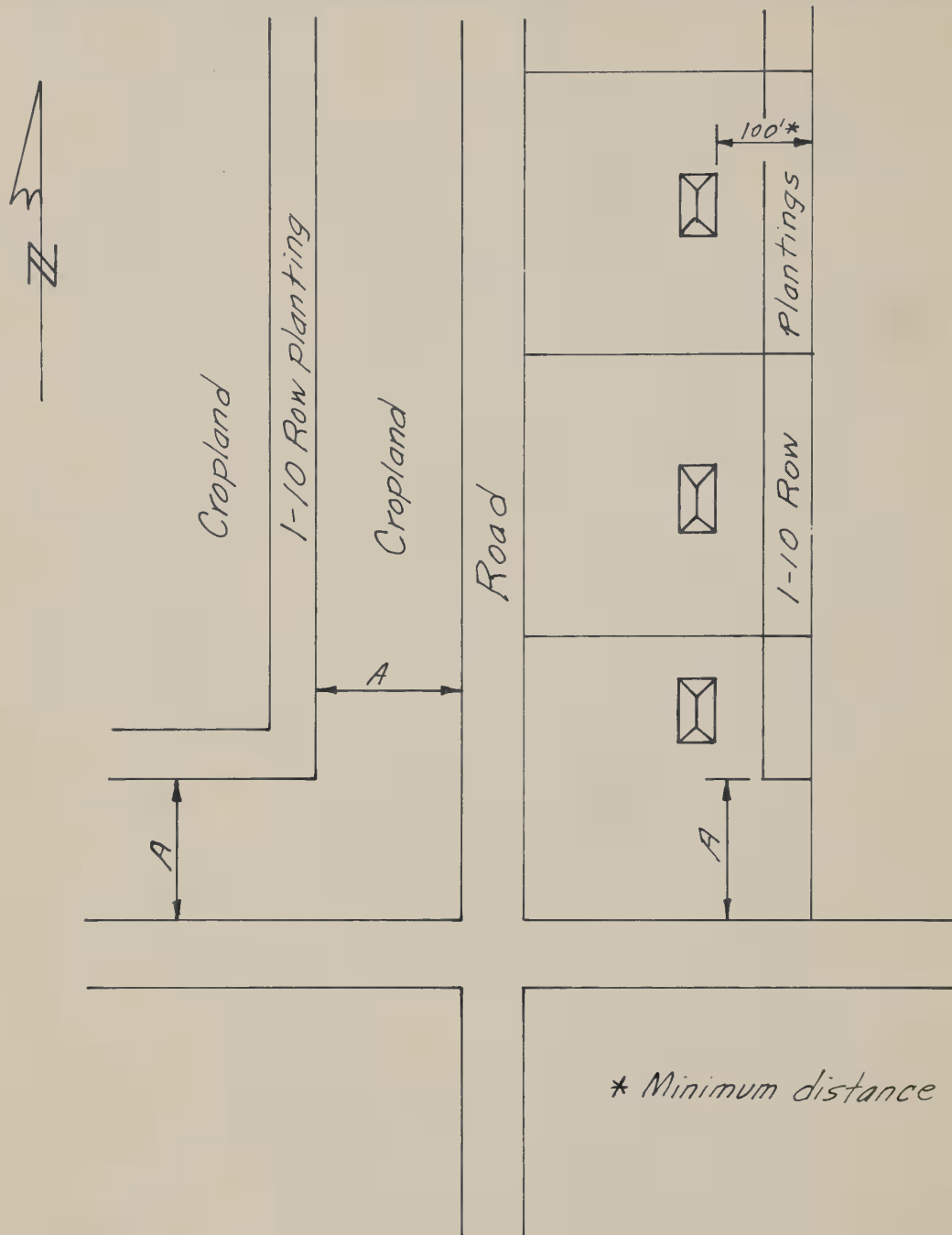


** Minimum distance*

Figure 6

Note: To determine distance "A" review local city, county or state zoning restrictions.

MULTIPLE OWNERSHIP PLANTINGS - SMALL LOTS EAST SIDE OF ROADS AND HIGHWAYS



* Minimum distance

Figure 7

Note: To determine distance "A" review local city, county or state zoning restrictions.

*MULTIPLE OWNERSHIP PLANTINGS—SMALL LOTS
WEST SIDE OF ROADS AND HIGHWAYS*

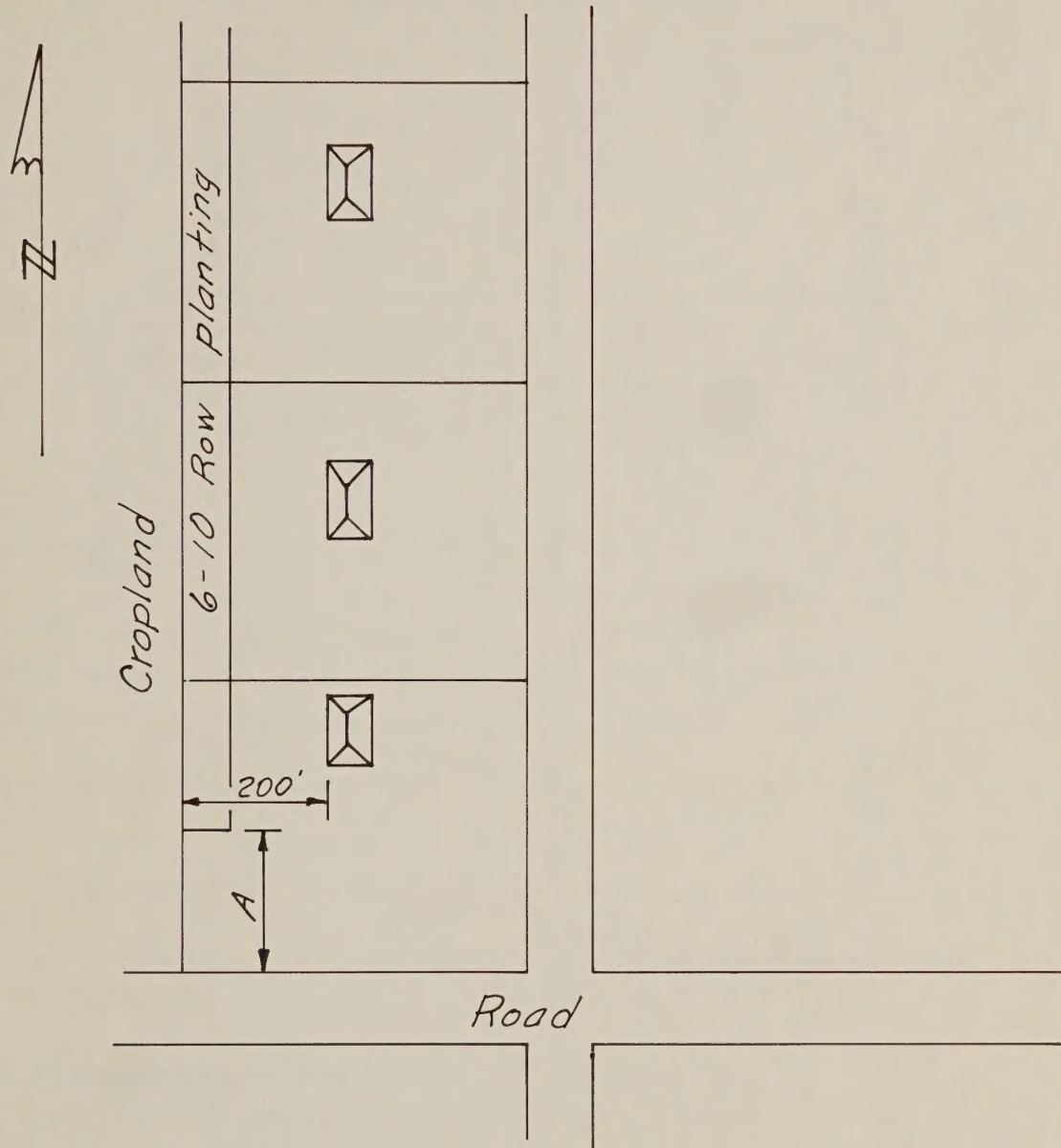


Figure 8

*Note: To determine distance "A" review local
city, county or state zoning regulations.*

MULTIPLE OWNERSHIP PLANTINGS - SMALL LOTS EAST AND WEST SIDES OF ROADS AND HIGHWAYS

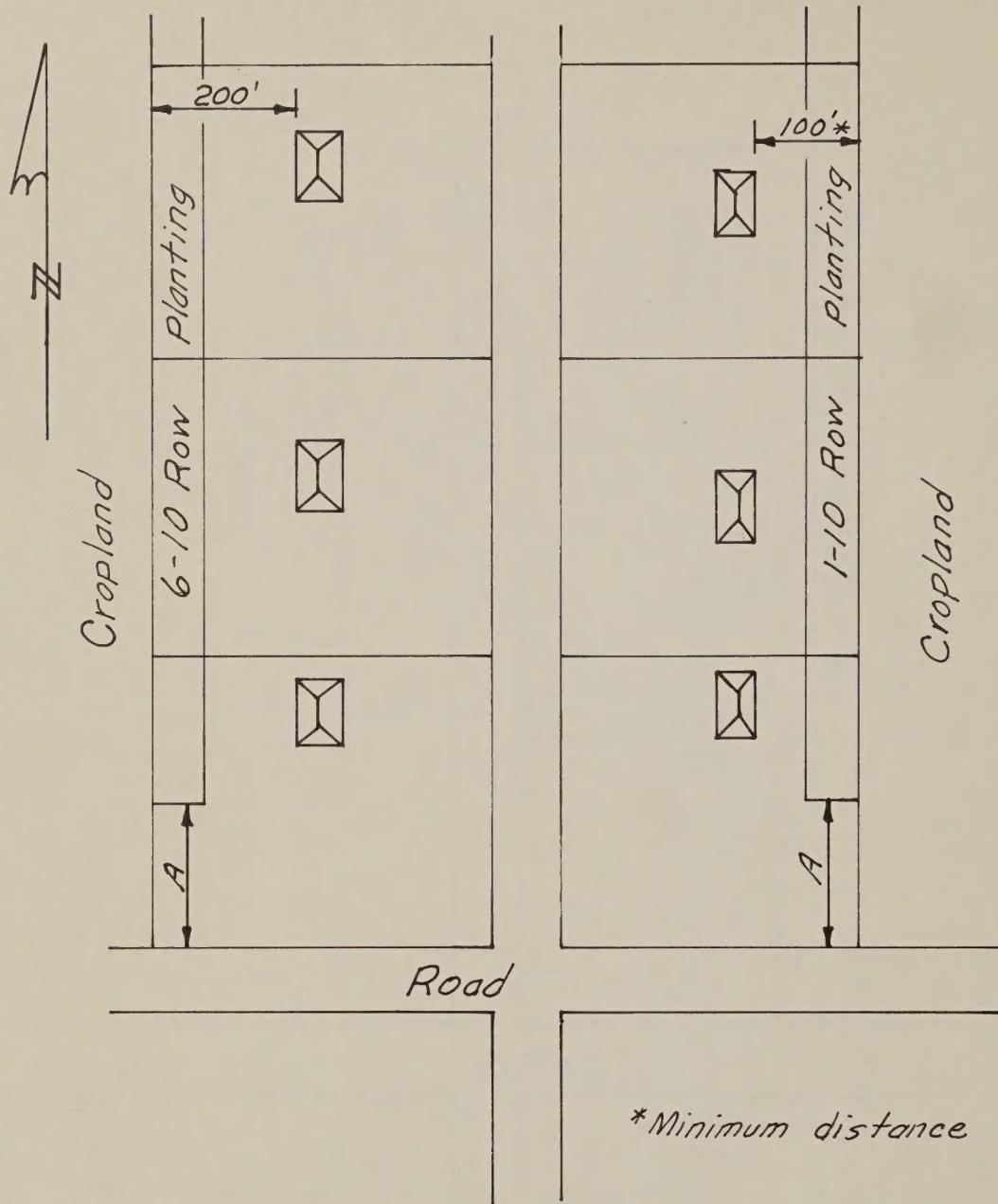


Figure 9

Note: To determine distance "A" review local city, county or state zoning restrictions

SCREEN PLANTINGS FOR SMALL RURAL HOMESITES

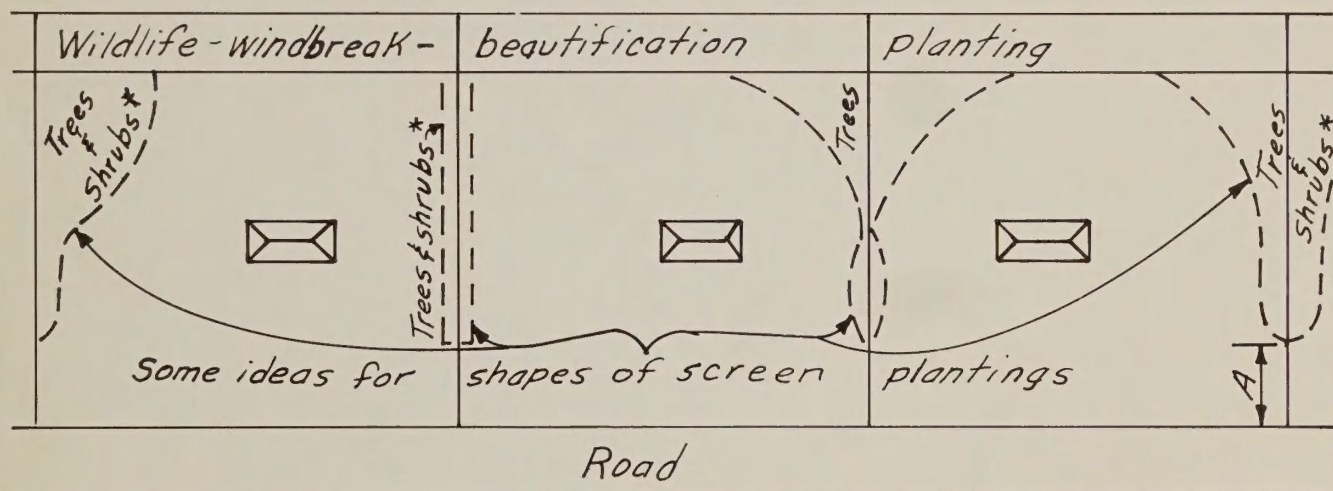


Figure 10

Note: To determine distance "A" review local city, county or state zoning restrictions

*Information on the landscaping of yards can be obtained from local nurserymen and County Extension Agents. Areas can be completely filled with trees and shrubs or the trees and shrubs can be planted in clumps

